

with parallel surfaces, the sum of all the refractions will be equal to the single refraction which it would have suffered in passing immediately out of the first medium into the last. And this holds true, though the number of the refracting substances be increased to infinity, and the distances from one another as much decreased, so that the Light may be refracted in every point of its passage, and by continual refractions bent into a curve Line. And therefore the whole refraction of Light in passing through the Atmosphere from the highest and rarest part thereof down to the lowest and densest part, must be equal to the refraction which it would suffer in passing at like obliquity out of a Vacuum immediately into Air of equal density with that in the lowest part of the Atmosphere.

Now, by this Table, the refractions of a Pseudo-Topaz, a Selenitis, Rock Crystal, Island Crystal, Vulgar Glass (that is, Sand melted together) and Glass of Antimony, which are terrestrial stony alcalizate concretes, and Air which probably arises from such substances by fermentation, though these be substances very differing from one another in density, yet they have their refractive powers almost in the same proportion to one another as their densities are, excepting that the refraction of that strange substance Island-Crystal is a little bigger than the rest. And particularly Air, which is 3400 times rarer than the Pseudo-Topaz, and 4200 times rarer than Glass of Antimony, has notwithstanding its rarity the same refractive power in respect of its density which those two very dense substances have in respect of theirs, excepting so far as those two differ from one another.

Again,

Again, the refraction of seed Oyl, Spirit of fat sulphureous u... probably is an un... refractive powers... densities without... refractive power... or three times greater... the refractive power... of theirs.

Water has a refraction between those two... a middle nature... animal substances... fat and inflammable... zate ones.

Salts and Vitriol... degree between... and accordingly... stances. For by... Spirits a great part remains behind... pable of vitrification.

Spirit of Wine... degree between... accordingly seem... fermentation; the... rits with which... and volatizing it... inflammable by means... led often from Salt... tion more and more.